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(54) Title: ELECTROCHEMICAL REMOVAL OF CONJUNCT POLYMERS FROM CHLOROALUMINATE IONIC LIQUIDS

(57) Abstract: A process for regenerating a spent ionic liquid catalyst including (a) applying a voltage across one or more pairs of electrodes immersed in a spent ionic liquid catalyst comprising conjunct polymer-metal halide complexes to provide freed conjunct polymers and a regenerated ionic liquid catalyst; and (b) separating the freed conjunct polymers from the regenerated ionic liquid catalyst is described. An alkylation process incorporating the regeneration process is also described.



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